

Relative Humidity (%)	-Q/M (0 hrs)	-Q/M (20 hrs)	-Q/M (50 hrs)	-Q/M (103 hrs)
10%	25	20	16	14
20%	26	20	16	15
30%	21	20	17	15
40%	21	19	17	15
50%	20	21	17	15
60%	17	24	20	17
70%	15	29	26	21
80%	11	21	29	28

Figure 1

Comparative Example 1

Response of Q/m to humidity changes for control toner, Example 1

09000000-05104
TOP SECRET

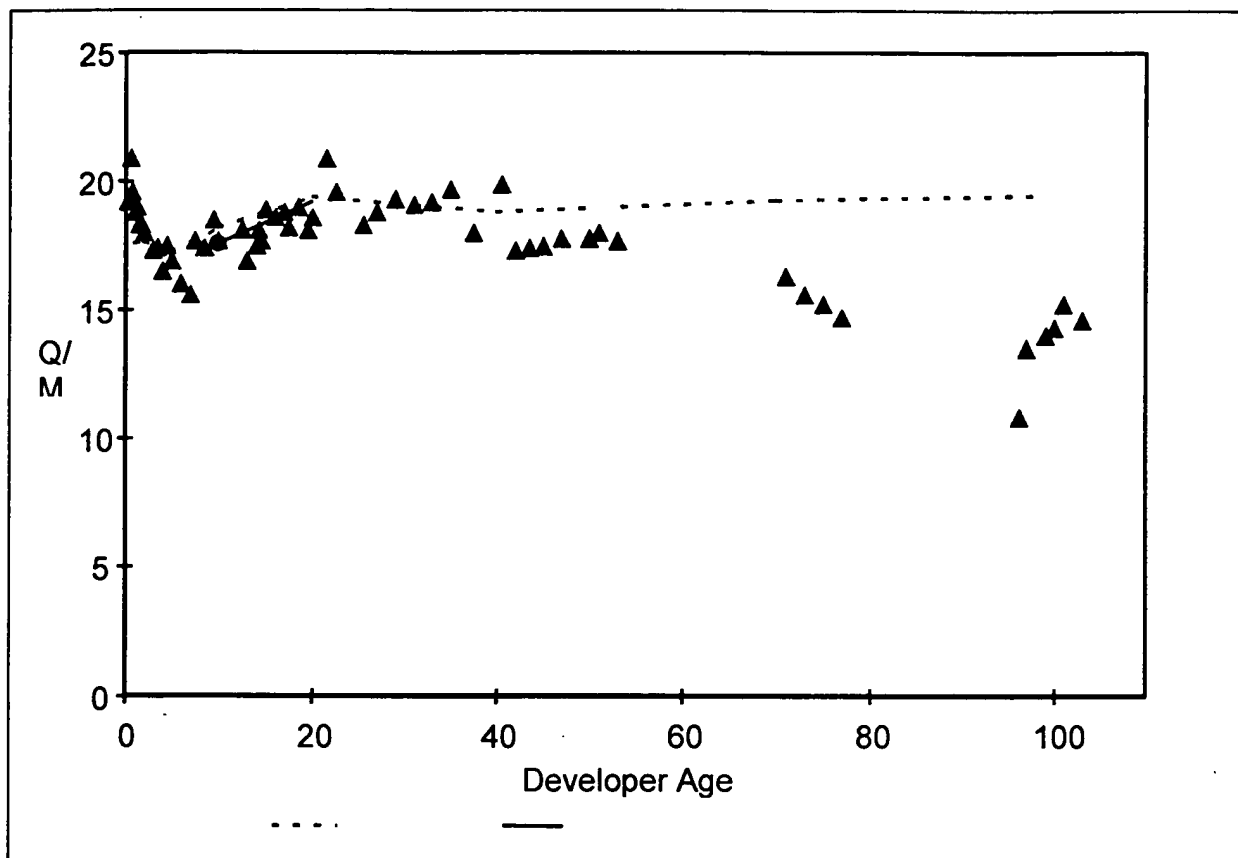


Figure 2

Comparative Example 1

Charge to mass response as a function of developer operating time, hours

Figure 3
Example 4
 Charge / Mass response to variations in humidity

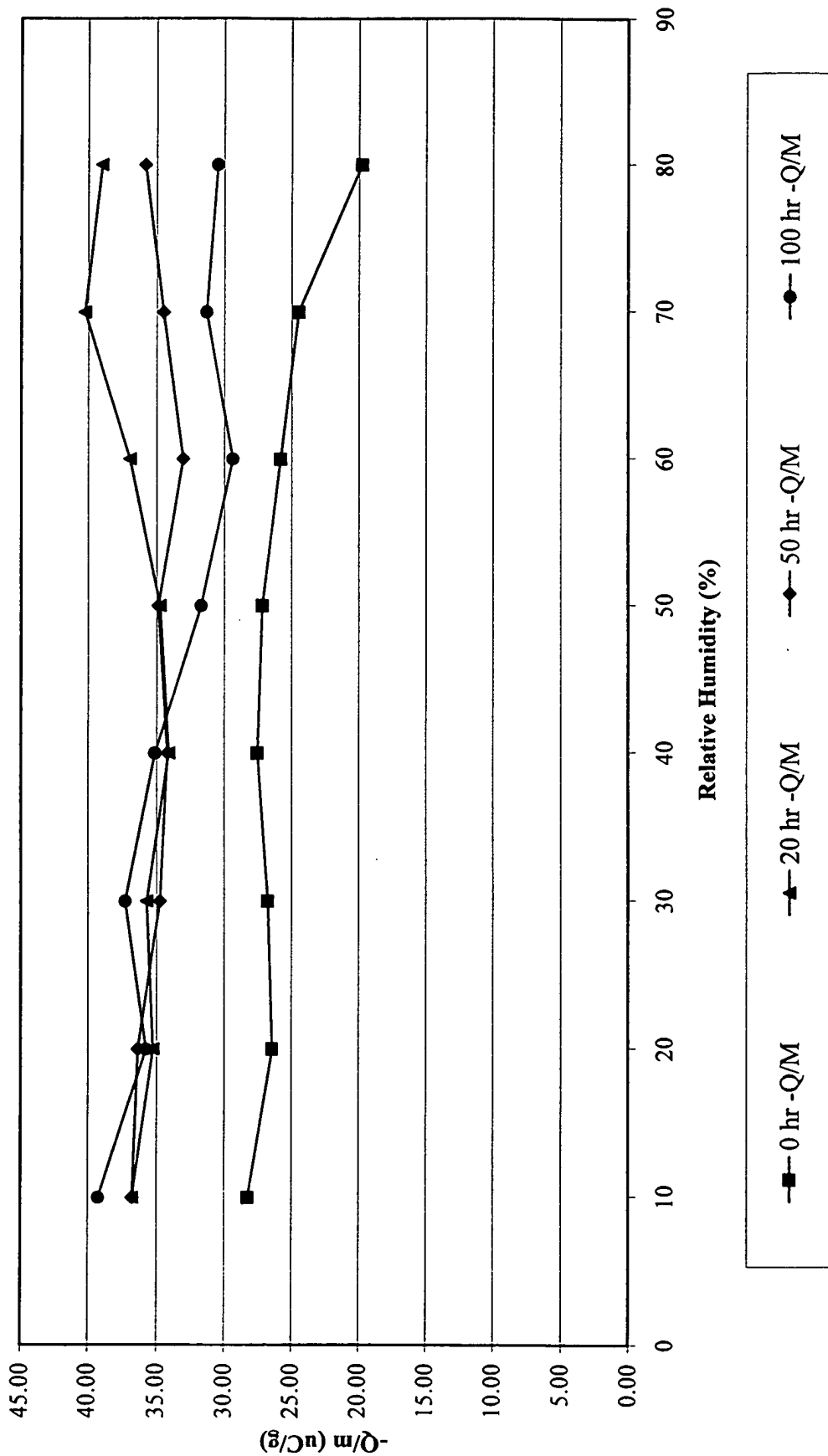


Figure 4
Example 4
Charge / mass Response to developer age

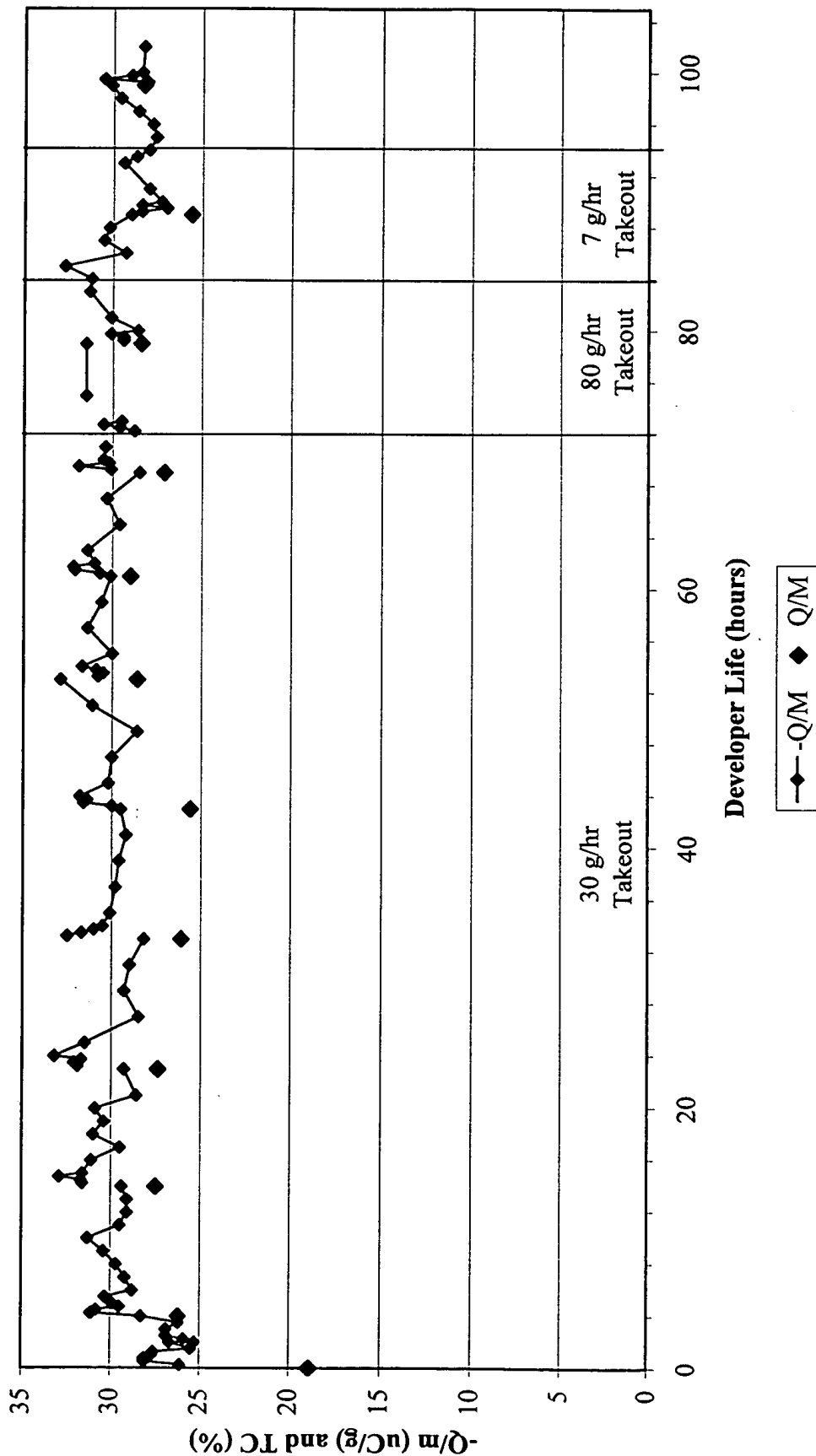


Figure 5
Example 3
 Charge / mass Response to developer age

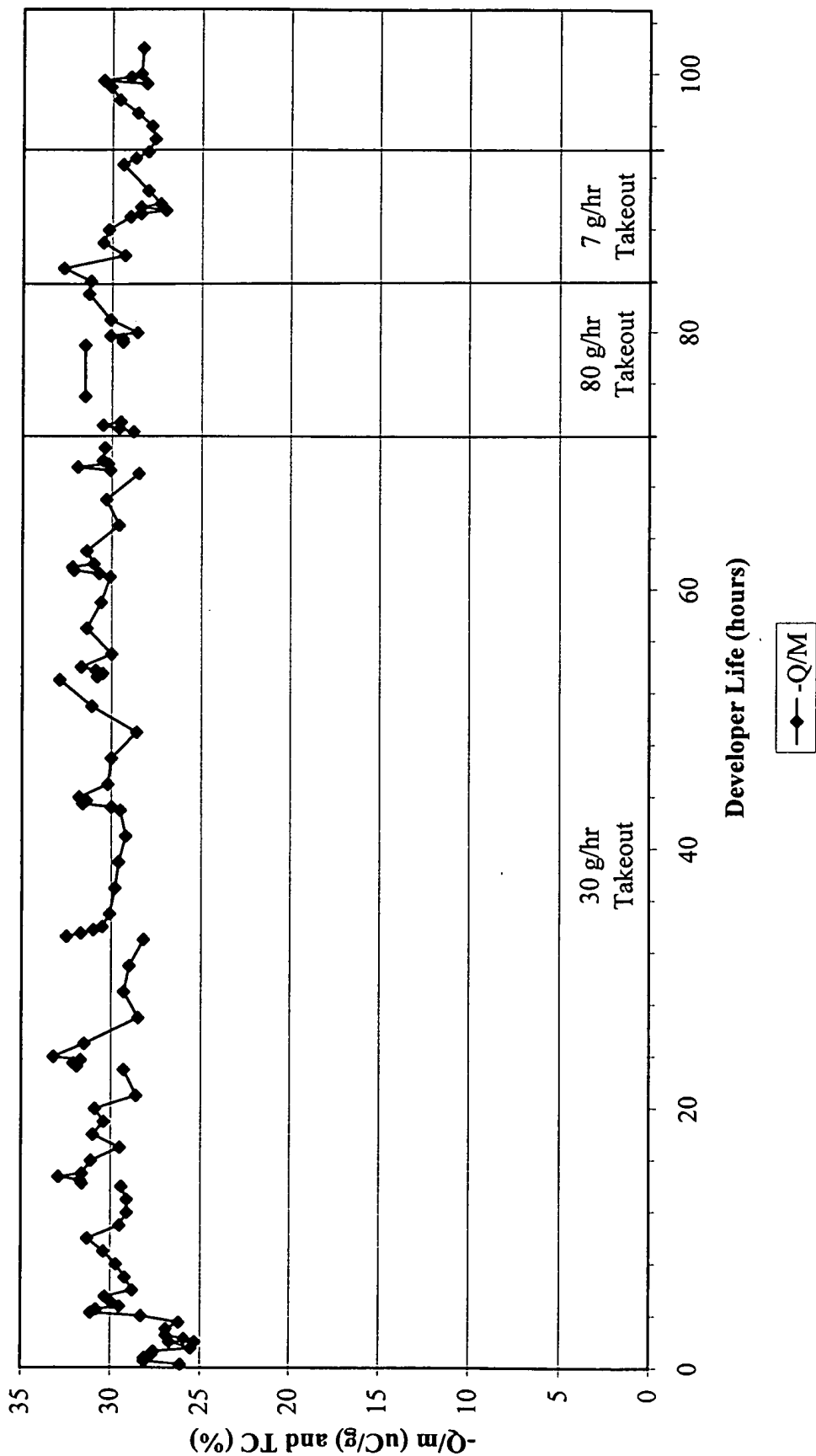


Figure 6
Example 2
Charge / mass Response to developer age

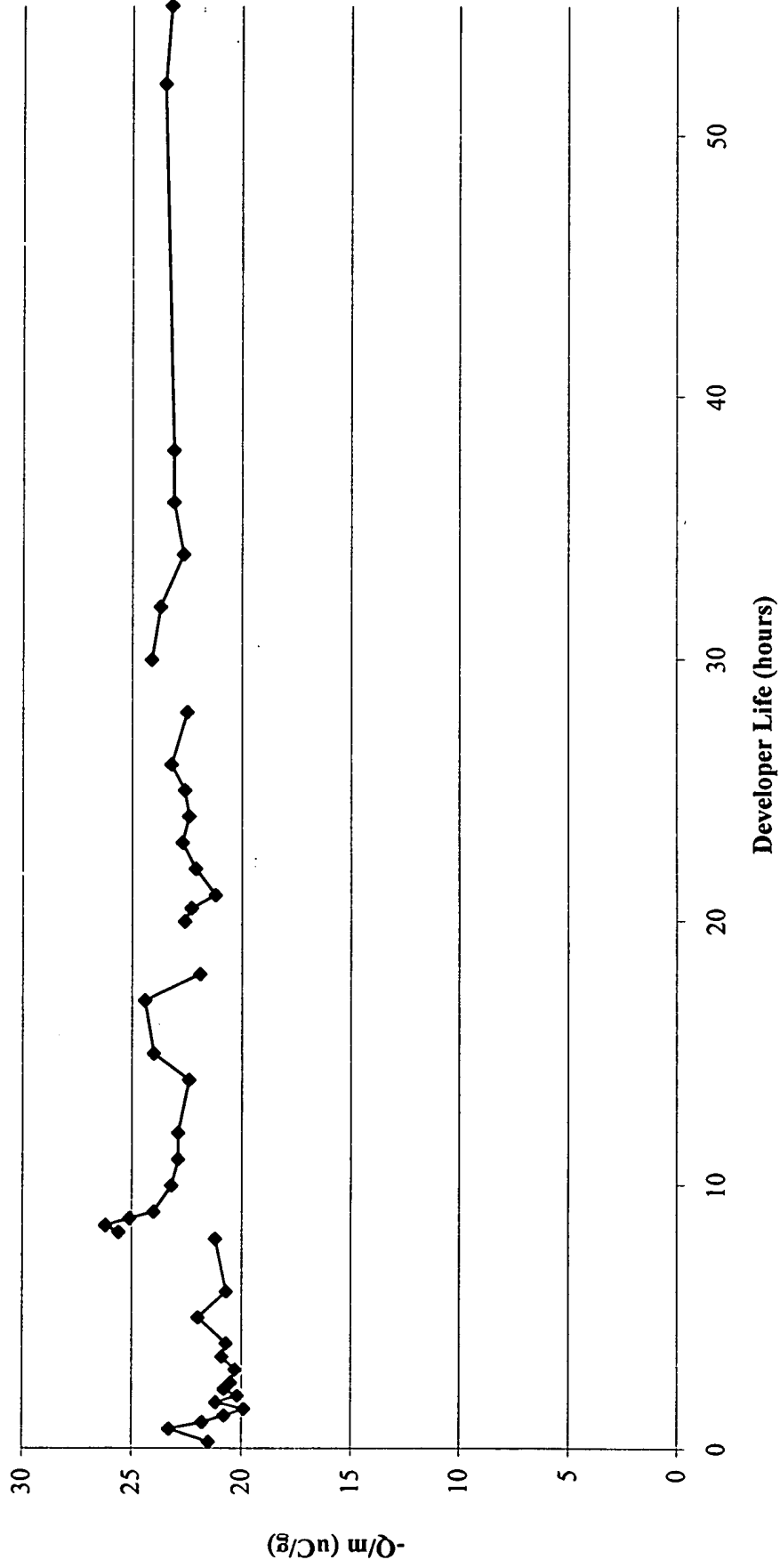
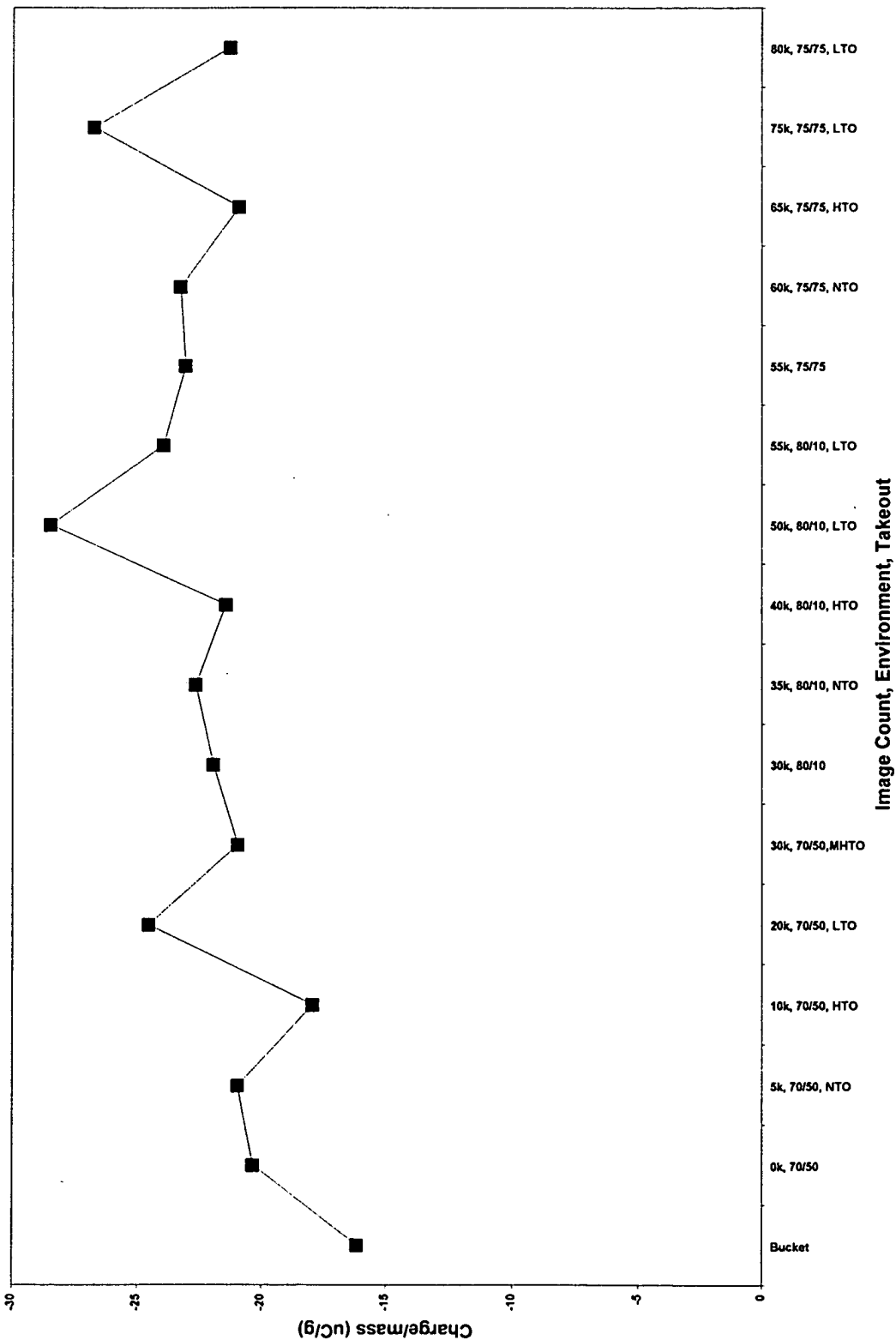


Figure 7
Comparative Example 1
Charge to Mass variation in printer
Temperature and relative humidity varied and document toner coverage varied



FOOTNOTES: 68900360

Figure 8
Comparative Example 4
Charge to Mass variation in printer
Temperature and relative humidity varied and document toner coverage varied

